

25/27 2169 of '58.

Dressing Millstones.
Hannig. and Paul's Dressed Stone
Staff for Dressing Millstones.

The staff is supported on two metal discs, resting one on the other, the surfaces in contact of the discs being made perfectly true. The upper disc carries the staff itself with which it is made to revolve, so as to pass over the surface of the stone in a true plane. The highest points on the stone are thus marked and are removed by the workman with his "stone bill" - repeating the process of marking and removing until the surface is perfectly true.

1861 763 of '61. *Millstone dress.*
1861 Spence's Dressing or Preparing
the Surface of Millstones.

To form curved furrows of such shape, and so arranged, as to work in harmony with the centrifugal & centrifugal forces produced by rotary motion. To do this, divide the surface of the stone into equal parts, by diameters drawn through the centre to the circumference - The curved lines are marked out by a "schablon", or curved rule, whose convex curvature is a little less in radius than the stone, and the concave curvature is a little greater, the mean curvature being of the radius of the stone. The "schablon" is then applied to each radial line previously marked, the narrow end of the same being next the eye. Major furrows are indicated by the marks made on the outer and inner curvatures of the "schablon". The minor furrows are obtained by setting the narrow end of the "schablon" to the concave side of each major furrow. Each is cut deeper and deeper from eye to circumference, and brought to a feather edge on the concave side. The draught of the furrows is made according to the prepared speed of the stone - done both upper and lower stone alike.

(*Spec'm.*)

Dresses millstones by an action of hydrofluoric acid on the silicious matter of which they are composed. - Cores, by hand or by printing, those parts of the stone not to be eaten out, with an ink on varnish which an acid will not attack upon, and pours hydrofluoric acid into the remaining spaces.

2771 of '62.
Bromann's Dressing Mill-
Stone is in Molecules. -